

REGISTRATION/SPECIAL CORRECTION WORK SHEET

For use of this form, see FM 6-40; the proponent agency is TRADOC.

SECTION I. REGISTRATION COMPUTATION

ACHIEVED RANGE

1	CHART RANGE	(10 METERS)
2	REGISTERING PIECE DISPLACEMENT (F-/B +)	(10 METERS)
3	ACHIEVED RANGE ([1] + [2])	(10 METERS)

REGISTERING PIECE DISPLACEMENT CORRECTION

4	LATERAL DISPLACEMENT (L/R)	(5 METERS)
5	ACHIEVED RANGE ([3])	(10 METERS)
6	REGISTERING PIECE DISPLACEMENT CORRECTION ([4] ÷ [5]) L + /R-	(1 MIL)

DEFLECTION CORRECTION

7	CORRECTED DEFLECTION (REGISTRATION)	(1 MIL)
	REGISTERING PIECE DISPLACEMENT CORRECTION [6] (L + /R)	(1 MIL)
9	ADJUSTED DEFLECTION ([7] + [6])	(1 MIL)
10	CHART DEFLECTION	(1 MIL)
	TOTAL DEFLECTION CORRECTION ([9] - [10]) (L + /R-)	(1 MIL)
	DRIFT CORRECTION (~ ADJUSTED ELEVATION) (L)	(1 MIL)
	GRAPHICAL FIRING TABLE (GFT) DEFLECTION CORRECTION ([11] - [12])	(1 MIL)

GFT SETTING (MANUAL METHOD)

14	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME	TOTAL	GFT
	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME		
	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME		

GFT SETTING (COMPUTER METHOD)

17	BCS AMMUNITION AND FIRE UNIT REGISTRATION	RANGE	RANGE CORRECTION	TIME CORRECTION	DEFLECTION CORRECTION
18	HAND-HELD CALCULATOR RESIDUALS	DEFLECTION CORRECTION	FUZE K	RANGE K	
19	FADAC RESIDUALS	DEFLECTION \pm	FUZE \pm	RANGE K \pm	

REMARKS

SECTION II. HASTY CORRECTIONS

INITIAL CHART DATA		DEFLECTION		RANGE		TARGET		DATE-TIME GROUP	
P L A T O O N	POSITION LATERAL CORRECTION (LEFT/RIGHT)	HASTY POSITION DEFLECTION CORRECTION ~ (a)	PLATOON COMPARATIVE MUZZLE VELOCITY VARIATION	HASTY MUZZLE CORRECTION ~ (c)	POSITION RANGE CORRECTION (FORWARD - BACK +)	HASTY POSITION QUADRANT ELEVATION CORRECTION	TOTAL QUADRANT ELEVATION CORRECTION (d) + (f) =	CORRECTED QUADRANT ELEVATION - SITE FIRED = ELEVATION	TIME TO FIRE (ELEVATION GAGE LINE OVER (h)) READ TIME
	a	b	c	d	e	f	g	h	i
	5 METERS	AS LISTED	0.1 METER PER SECOND	AS LISTED	5 METERS	AS LISTED	1 MIL	1 MIL	0.1

SECTION III. SPECIAL CORRECTIONS

INITIAL CHART DATA		DEFLECTION		RANGE		TARGET		DATE-TIME GROUP				
P L A T O O N	G U N N U M B E R	POSITION LATERAL CORRECTION (LEFT/RIGHT)	100/R (GRAPHICAL FIRING TABLE)	POSITION DEFLECTION CORRECTION (LEFT/RIGHT) $\frac{(a) \times (b)}{100} =$	PLATOON COMPARATIVE VELOCITY ERROR (INCREASE/ DECREASE)	MUZZLE VELOCITY UNIT CORRECTION FACTOR (TABLE F. APPROPRIATE FT) DECREASE + INCREASE -	MUZZLE VELOCITY RANGE CORRECTION (d) x (e) =	POSITION RANGE CORRECTION (FORWARD -) (BACK +)	TOTAL RANGE CORRECTION (f) + (g) =	POSITION QUADRANT ELEVATION CORRECTION (h) ÷ COLUMN 5 TABLE F APPROPRIATE FT)	CORRECTED RANGE (h) ≈ 10 METERS + INITIAL RANGE) ()	TIME TO FIRE (FUZE SETTING ~ (j)
		a	b	c	d	e	f	g	h	i	j	k
		5 METERS	1 MIL	1 MIL	0.1 METER PER SECOND	0.1 METER	1 METER	5 METERS	1 METER	1 MIL	10 METERS	0.1